GIS REGISTRY INFORMATION

SITE NAME:	City of Hartford					
BRRTS #:	03-67-354491			**FID #** (if appropriate):		
COMMERCE # (if appropriate):	53027-9999-29					
CLOSURE DATE:	December 30, 2005					
STREET ADDRESS:	29 N Rural St					
CITY:	Hartford					
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X =	651275		Y =	317473	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:		Yes			No	X
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	X =			Y =		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		Yes		No	X	
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	X =			Y =		
CONTAMINATION IN RIGHT OF WAY:	Yes			No	X	

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued or denial letter issued.	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate.	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	
Copy of any maintenance plan referenced in the deed restriction	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

December 30, 2005

Mr. William Ripp
City of Hartford
109 North Main Street
Hartford, WI 53027-1521

RE: **Final Closure**

Commerce # 53027-9999-29 WDNR BRRTS # 03-67-354491
City of Hartford, 29 North Rural Street, Hartford

Dear Mr. Ripp:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5361.

Sincerely,

Monica Weis

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Charles Zimney, Shaw Environmental, Inc.
Case File

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

November 30, 2005

Mr. William Ripp
City of Hartford
109 North Main Street
Hartford, WI 53027-1521

RE: **Conditional Case Closure**

Commerce # 53027-9999-29 WDNR BRRTS # 03-67-354491
City of Hartford, 29 North Rural Street, Hartford

Dear Mr. Ripp:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Shaw Environmental, Inc., for the site referenced above. It is understood that residual soil and groundwater contamination remains on site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- Groundwater monitoring wells MW-1 through MW-3 must be properly abandoned and the appropriate documentation forwarded to me at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5361.

Sincerely,

Monica L. Weis

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Timothy Welch, Shaw Environmental, Inc.
Case File

DOCUMENT NO.

419537

VOL REC 710 PAGE 438

STATE BAR OF WISCONSIN-FORM 1
WARRANTY DEED
THIS SPACE RESERVED FOR RECORDING DATA

RECORDED

JUL 31 10 19 AM '79

John C. Steiler
REGISTER OF DEEDS
OF WASHINGTON COUNTY, WIS.

RETURN TO
Robert J. Russell
23 South Main Street
Hartford, WI 53027

THIS DEED, made between IRON RIDGE CO-OPERATIVE ASSOCIATION, A Wisconsin Corporation

Grantor

and CITY OF HARTFORD, A Municipal Corporation

Grantee,

Witnesseth, That the said Grantor for a valuable consideration of one dollar other good and valuable considerations conveys to Grantee the following described real estate in Washington County, State of Wisconsin:

Tax Key # _____
This is _____ homestead property.

Lot Nine (9) of Block Ten (10) of the ORIGINAL PLAT of the Village (now City) of Hartford, Washington County, Wisconsin, EXCEPTING THEREFROM the South 90 feet thereof.

Out Lot Eighty-three A (83A) in the City of Hartford ASSESSOR'S PLAT of the Southeast 1/4 of the Northeast 1/4, Section 20 - Township 10 North - Range 18 East, Washington County, Wisconsin.

That part of Lot Nine (9) of Block Ten (10) of the ORIGINAL PLAT of the Village (now City) of Hartford, Washington County, Wisconsin, described as follows:

Commencing at a point on the west line of Rural Street in the City of Hartford, said point being the northeast corner of said Lot 9; thence North along the said west line of Rural Street

(CONTINUED ON BACK)

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining;

And IRON RIDGE CO-OPERATIVE ASSOCIATION warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except Municipal Zoning Restrictions and Easements of Record

and will warrant and defend the same.

Executed at Hartford, Wisconsin this 24th day of July, 1979.

SIGNED AND SEALED IN PRESENCE OF

IRON RIDGE CO-OPERATIVE ASSOCIATION

Arthur J. Troeller (SEAL)
Arthur J. Troeller, President

Cyril L. Rohde (SEAL)
Cyril L. Rohde, Secretary

(SEAL)

(SEAL)

Signatures of _____

authenticated this _____ day of _____, 19__.

Title: Member State Bar of Wisconsin or Other Party Authorized under Sec. 706.06 viz. _____

STATE OF WISCONSIN
WASHINGTON County. } ss.

Personally came before me, this 24th day of July, 1979, the above named ARTHUR J. TROELLER, President, and CYRIL L. ROHDE, Secretary, IRON RIDGE CO-OPERATIVE ASSOCIATION to me known to be the persons who executed the foregoing instrument and acknowledged the same, as the act of the Corporation and by its authority.

W. A. Carbee
D. A. Carroll
Notary Public Washington County, Wis.
My Commission Expires (Is) 5/10/82

This instrument was drafted by

Robert J. Russell, Attorney

The use of witnesses is optional.

Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED-STATE BAR OF WISCONSIN, FORM NO. 1 - 1971

H.C.Miller Company

XOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOX

to the center of the Rubicon River; thence in a southwesterly direction along the center of said Rubicon River to the point of intersection of the center of said Rubicon River with the westerly line of said Lot 9; thence in an easterly direction to the place of beginning.

XOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOX

EXEMPT SEC. 77.25(2)

XOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOX

TAX704D/WSFLCTL **BRIEF LEGALS AND DISTRICT INFO** 10/04/05
14:03:14

Parcel# **36 2001003001** Alternate #
Tax Year **1995** Owners Name **CITY OF HARTFORD**

Ratio .9368 Equa Rate Net Tax Rate

DESC	DISTRICT Code &	Name
ORIGINAL PLAT LOT 9 EXC	HE	HARTFORD JT #1
S 90' BLK 10 & OL 83A	H	HARTFORD UNION HS
	VT	MOR PARK TECH COLL
	T4	TIF DISTRICT 4
	T5	TIF 1 & 4 PARCEL

	Class	Acres	Land	Improvements
X4	LOCAL	.32		

F3=END/RETURN

TAX043D/WSFLCTL1 HISTORY FILE INQUIRY 10/04/05
14:03:39

Parcel No: Parcel# 2005 36 2001003001

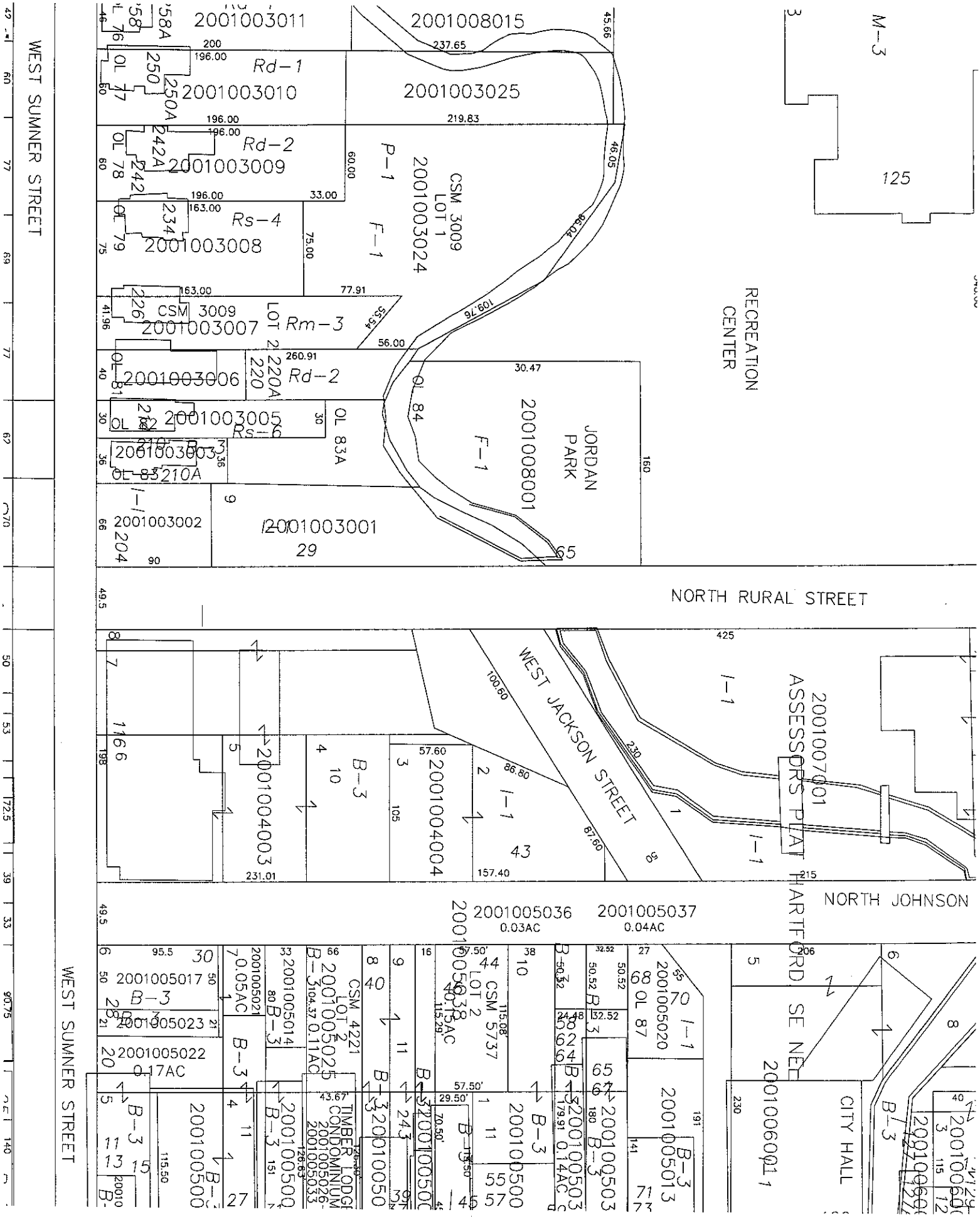
OWNER: CITY OF HARTFORD
PHY ADDRESS: 29 N RURAL ST
PARTIAL ASSESSED:

Mail to:
CITY OF HARTFORD
109 N MAIN ST
HARTFORD WI 53027

Date (MMDDYYYY)	Vol	Page	Csm#	Par	Acres	Name
5/27/1993					.32	HARTFORD CITY

+

F3=Return



WEST SUMNER STREET
NORTH RURAL STREET
WEST JACKSON STREET
NORTH JOHNSON
RECREATION CENTER
JORDAN PARK
CITY HALL
2001003011
2001008015
2001003010
2001003025
2001003009
2001003024
2001003008
2001003007
2001003006
2001003005
2001003003
2001003002
2001003001
2001008001
2001007001
2001004003
2001004004
2001005036
0.03AC
2001005037
0.04AC
2001005017
2001005023
2001005022
0.17AC
CSM 3009
LOT 1
CSM 3009
LOT 2
CSM 4221
LOT 2
CSM 5737
LOT 2
TIMBER LODGE CONDOMINIUM
M-3
125
P-1
F-1
Rd-1
Rd-2
Rs-4
Rm-3
Rs-6
B-3
I-1

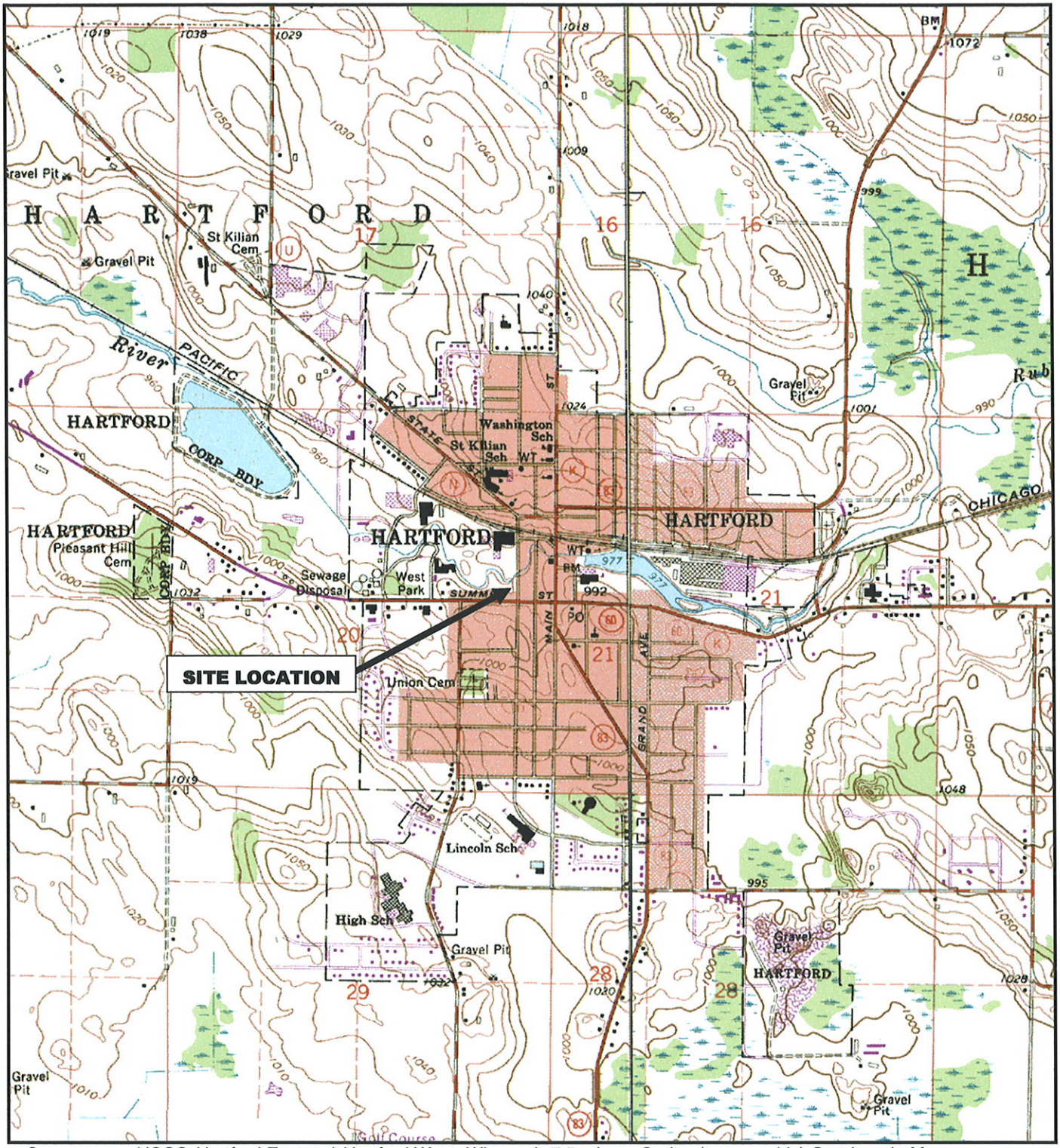
Map created Mon Jun 06 16:01:47 CDT 2005

Legend

- Closed Remediation Sites
- Groundwater
- Soil
- Groundwater and Soil
- Offsource Contamination
- County Boundary
- 24K Open Water
- Municipalities

Scale: 1:2,679

DO NOT USE FOR NAVIGATION



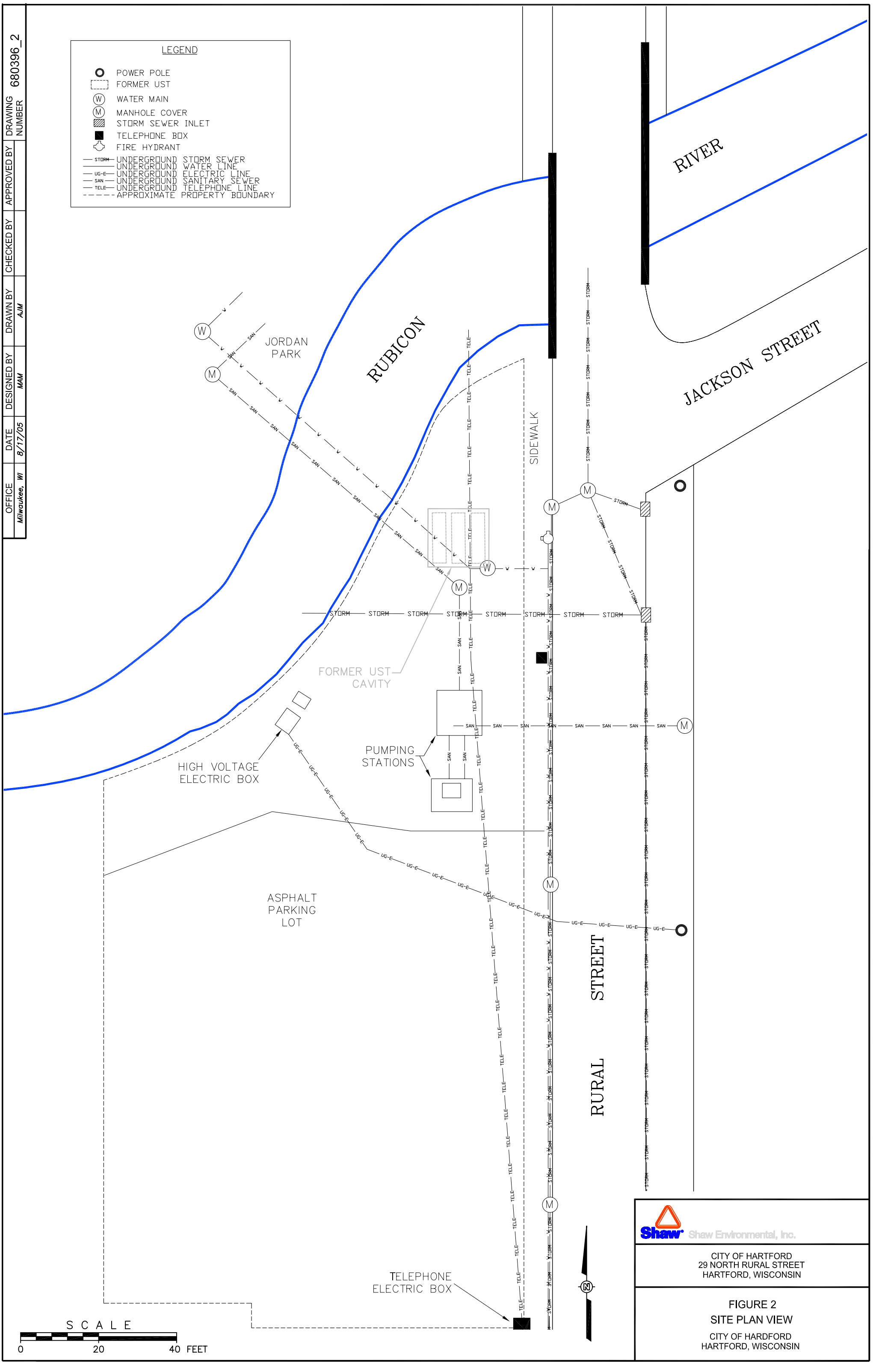
Source: USGS *Hartford East* and *Hartford West, Wisconsin* 7.5-minute Series (topographic) Quadrangle Map
Scale: 1:24,000

SITE LOCATION

29 North Rural Street
Hartford, Wisconsin
Project No. 680396

Figure No.
1

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



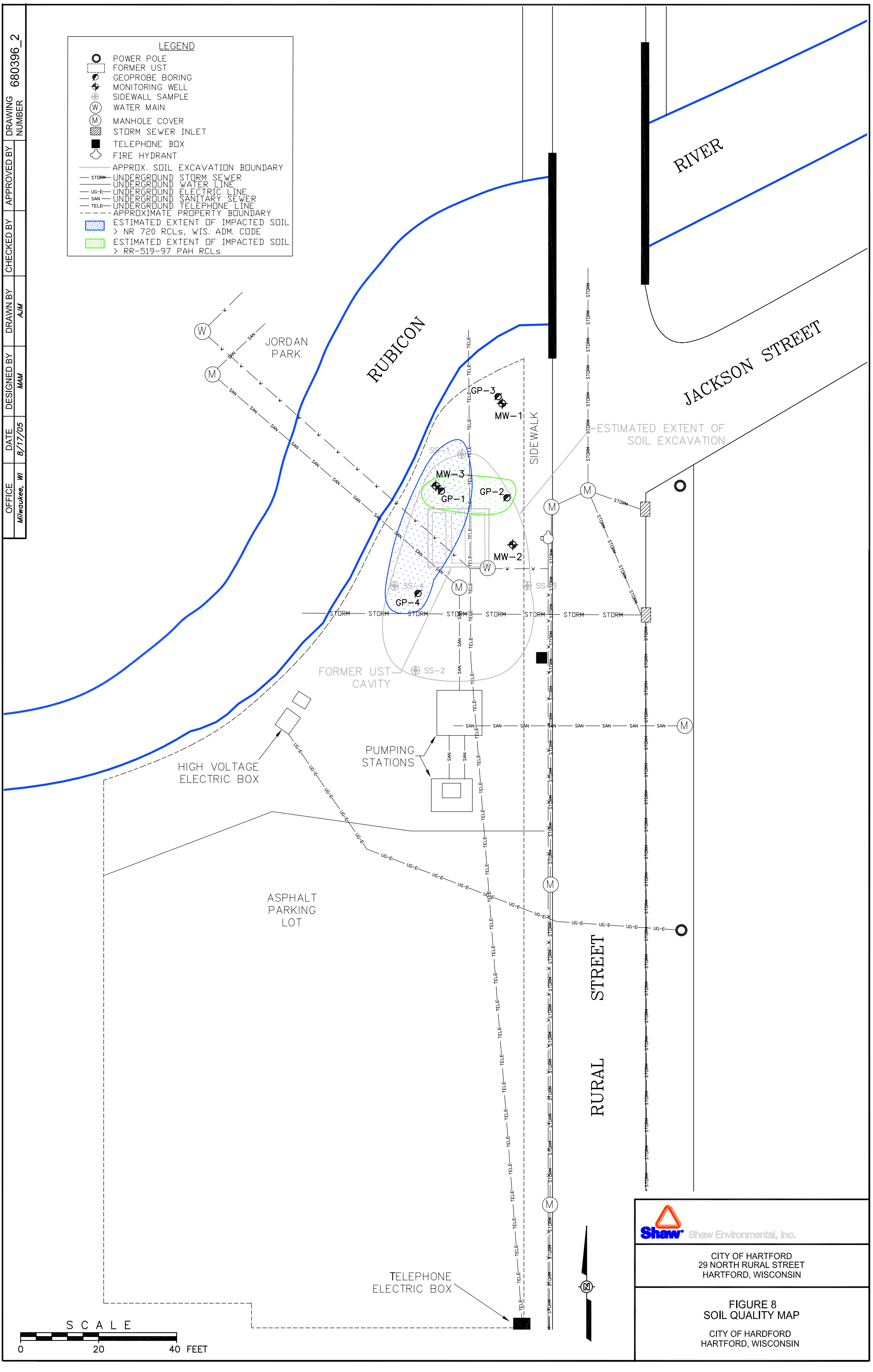
Shaw Environmental, Inc.

CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 2
SITE PLAN VIEW

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



Shaw Environmental, Inc.

CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

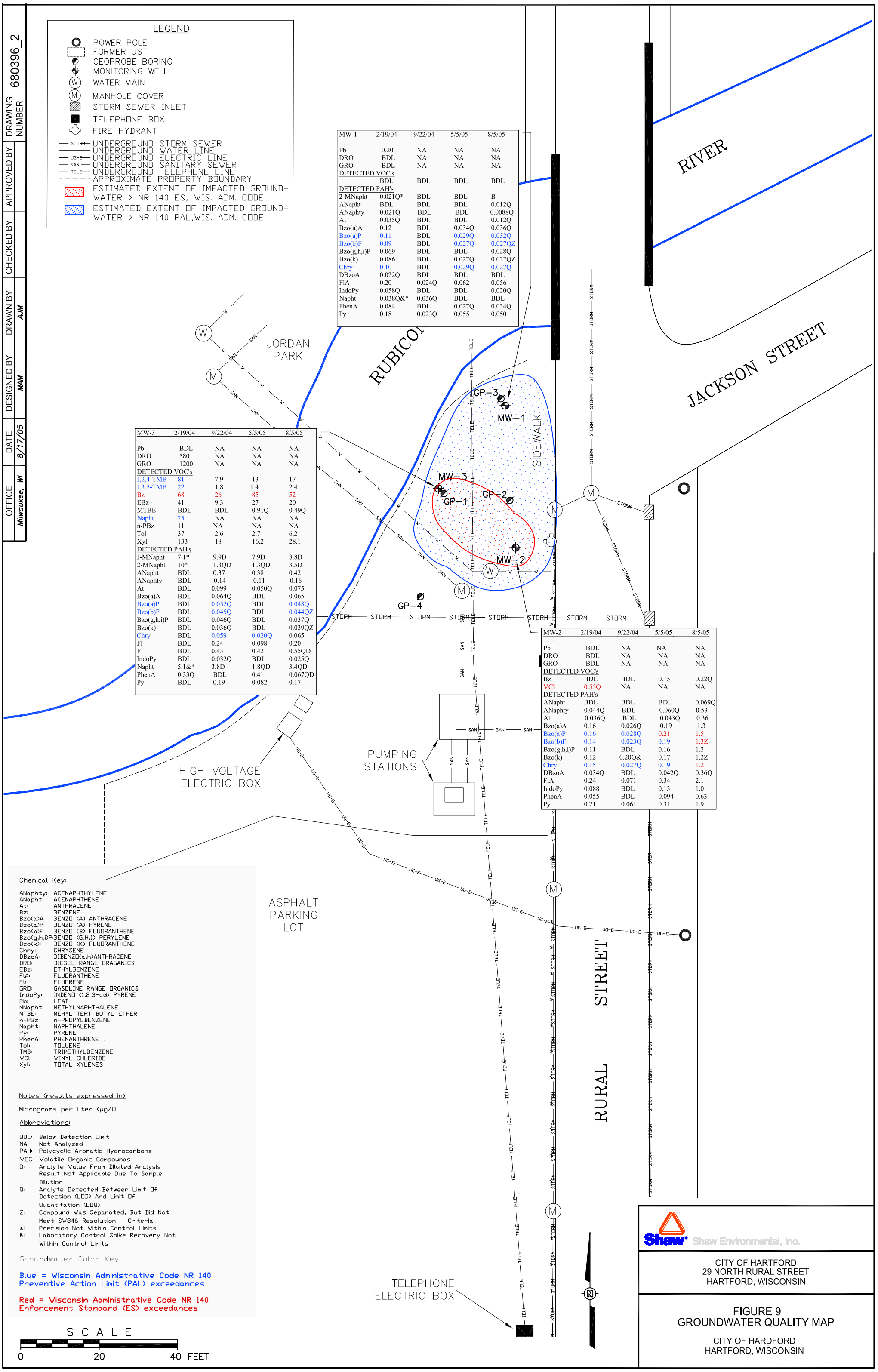
FIGURE 8
SOIL QUALITY MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2

LEGEND

- POWER POLE
- FORMER UST
- GEOPROBE BORING
- MONITORING WELL
- WATER MAIN
- MANHOLE COVER
- STORM SEWER INLET
- TELEPHONE BOX
- FIRE HYDRANT
- STORM — UNDERGROUND STORM SEWER
- UNDERGROUND WATER LINE
- UG-E — UNDERGROUND ELECTRIC LINE
- SAN — UNDERGROUND SANITARY SEWER
- TELE — UNDERGROUND TELEPHONE LINE
- APPROXIMATE PROPERTY BOUNDARY
- ESTIMATED EXTENT OF IMPACTED GROUND-WATER > NR 140 ES, WIS. ADM. CODE
- ESTIMATED EXTENT OF IMPACTED GROUND-WATER > NR 140 PAL,WIS. ADM. CODE



MW-1	2/19/04	9/22/04	5/5/05	8/5/05
Pb	0.20	NA	NA	NA
DRO	BDL	NA	NA	NA
GRO	BDL	NA	NA	NA
DETECTED VOC's				
	BDL	BDL	BDL	BDL
DETECTED PAH's				
2-MNapht	0.021Q*	BDL	BDL	B
ANapht	BDL	BDL	BDL	0.012Q
ANaphty	0.021Q	BDL	BDL	0.0088Q
At	0.035Q	BDL	BDL	0.012Q
Bzo(a)A	0.12	BDL	0.034Q	0.036Q
Bzo(a)P	0.11	BDL	0.029Q	0.032Q
Bzo(b)F	0.09	BDL	0.027Q	0.027QZ
Bzo(g,h,i)P	0.069	BDL	BDL	0.028Q
Bzo(k)	0.086	BDL	0.027Q	0.027QZ
Chry	0.10	BDL	0.029Q	0.027Q
DBzoA	0.022Q	BDL	BDL	BDL
FlA	0.20	0.024Q	0.062	0.056
IndoPy	0.058Q	BDL	BDL	0.020Q
Napht	0.038Q&*	0.036Q	BDL	BDL
PhenA	0.084	BDL	0.027Q	0.034Q
Py	0.18	0.023Q	0.055	0.050

MW-3	2/19/04	9/22/04	5/5/05	8/5/05
Pb	BDL	NA	NA	NA
DRO	580	NA	NA	NA
GRO	1200	NA	NA	NA
DETECTED VOC's				
1,2,4-TMB	81	7.9	13	17
1,3,5-TMB	22	1.8	1.4	2.4
Bz	68	26	85	52
EBz	41	9.3	27	20
MTBE	BDL	BDL	0.91Q	0.49Q
Napht	25	NA	NA	NA
n-PBz	11	NA	NA	NA
Tol	37	2.6	2.7	6.2
Xyl	133	18	16.2	28.1
DETECTED PAH's				
1-MNapht	7.1*	9.9D	7.9D	8.8D
2-MNapht	10*	1.3QD	1.3QD	3.5D
ANapht	BDL	0.37	0.38	0.42
ANaphty	BDL	0.14	0.11	0.16
At	BDL	0.099	0.050Q	0.075
Bzo(a)A	BDL	0.064Q	BDL	0.065
Bzo(a)P	BDL	0.052Q	BDL	0.048Q
Bzo(b)F	BDL	0.045Q	BDL	0.044QZ
Bzo(g,h,i)P	BDL	0.046Q	BDL	0.037Q
Bzo(k)	BDL	0.036Q	BDL	0.039QZ
Chry	BDL	0.059	0.020Q	0.065
Fl	BDL	0.24	0.098	0.20
F	BDL	0.43	0.42	0.55QD
IndoPy	BDL	0.032Q	BDL	0.025Q
Napht	5.1&*	3.8D	1.8QD	3.4QD
PhenA	0.33Q	BDL	0.41	0.067QD
Py	BDL	0.19	0.082	0.17

MW-2	2/19/04	9/22/04	5/5/05	8/5/05
Pb	BDL	NA	NA	NA
DRO	BDL	NA	NA	NA
GRO	BDL	NA	NA	NA
DETECTED VOC's				
Bz	BDL	BDL	0.15	0.22Q
VCl	0.55Q	NA	NA	NA
DETECTED PAH's				
ANapht	BDL	BDL	BDL	0.069Q
ANaphty	0.044Q	BDL	0.060Q	0.53
At	0.036Q	BDL	0.043Q	0.36
Bzo(a)A	0.16	0.026Q	0.19	1.3
Bzo(a)P	0.16	0.028Q	0.21	1.5
Bzo(b)F	0.14	0.023Q	0.19	1.3Z
Bzo(g,h,i)P	0.11	BDL	0.16	1.2
Bzo(k)	0.12	0.20Q&	0.17	1.2Z
Chry	0.15	0.027Q	0.19	1.2
DBzoA	0.034Q	BDL	0.042Q	0.36Q
FlA	0.24	0.071	0.34	2.1
IndoPy	0.088	BDL	0.13	1.0
PhenA	0.055	BDL	0.094	0.63
Py	0.21	0.061	0.31	1.9

Chemical Key:

ANaphty:	ACENAPHTHYLENE
ANapht:	ACENAPHTHENE
At:	ANTHRACENE
Bz:	BENZENE
Bzo(a)A:	BENZO (A) ANTHRACENE
Bzo(a)P:	BENZO (A) PYRENE
Bzo(b)F:	BENZO (B) FLUORANTHENE
Bzo(g,h,i)P:	BENZO (G,H,I) PERYLENE
Bzo(k):	BENZO (K) FLUORANTHENE
Chry:	CHRYSENE
DBzoA:	DIBENZO(a,h)ANTHRACENE
DRO:	DIESEL RANGE ORGANICS
EBz:	ETHYLBENZENE
FlA:	FLUORANTHENE
Fl:	FLUORENE
GRO:	GASOLINE RANGE ORGANICS
IndoPy:	INDENO (1,2,3-cd) PYRENE
Pb:	LEAD
MNapht:	METHYLNAPHTHALENE
MTBE:	MEHYL TERT BUTYL ETHER
n-PBz:	n-PROPYLBENZENE
Napht:	NAPHTHALENE
Py:	PYRENE
PhenA:	PHENANTHRENE
Tol:	TOLUENE
TMB:	TRIMETHYLBENZENE
VCl:	VINYL CHLORIDE
Xyl:	TOTAL XYLENES

Notes (results expressed in):

Micrograms per liter (µg/l)

Abbreviations:

BDL:	Below Detection Limit
NA:	Not Analyzed
PAH:	Polycyclic Aromatic Hydrocarbons
VOC:	Volatile Organic Compounds
D:	Analyte Value From Diluted Analysis Result Not Applicable Due To Sample Dilution
Q:	Analyte Detected Between Limit Of Detection (LOD) And Limit Of Quantitation (LOQ)
Z:	Compound Was Separated, But Did Not Meet SW846 Resolution Criteria
*:	Precision Not Within Control Limits
&:	Laboratory Control Spike Recovery Not Within Control Limits

Groundwater Color Key:

Blue = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances

Red = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances

SCALE

0 20 40 FEET

Shaw Environmental, Inc.

CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 9
GROUNDWATER QUALITY MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

Table 2

Summary of Detected Soil Excavation Lead, DRO, GRO, and VOC Analytical Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Boring/Well Number		NR 720	NR 746.06		Sample 1	Sample 2	Sample 3	Sample 4
Sample Date		Generic	Table 1	Table 2	7/23/2002	7/23/2002	7/23/2002	7/23/2002
Sample Depth	Units	RCLs	(Product)	(Contact)	4'-6'	4'-6'	4'-6'	4'-6'
PID	ppm/v				144	<10	<10	<10
Lead	mg/kg	**50**	NES	NES	**168**	11	5.4	**85**
DRO	mg/kg	**100**	NES	NES	**240 H**	<6.2	<5.4	**379 H**
GRO	mg/kg	**100**	NES	NES	**361**	<6.2	<5.4	14
1,2,4-Trimethylbenzene	µg/kg	NES	**[83000]**	NES	10900	<31	<27	176
1,2-Dichloroethane	µg/kg	**4.9**	**[600]**	*540*	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/kg	NES	**[11000]**	NES	3120	<31	<27	65
Benzene	µg/kg	**5.5**	**[8500]**	*1100*	**<144**	<31	<27	**176**
Ethylbenzene	µg/kg	**2900**	**[4600]**	NES	1320	<31	<27	176
Naphthalene	µg/kg	NES	**[2700]**	NES	NA	NA	NA	NA
Toluene	µg/kg	**1500**	**[38000]**	NES	1150	<31	<27	284
Xylenes, total	µg/kg	**4100**	**[42000]**	NES	**7450**	<93	<81	447

NOTES:
DRO = diesel range organics
GRO = gasoline range organics
VOCs = Volatile Organic Compounds
PID = photoionization detector
ppm/v = parts per million per volume
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
NES = no established standard
NA = not analyzed
H = late eluting hydrocarbons present
Red/Bold = Wisconsin Administrative Code NR 720 Generic Residual Contaminant Level (RCL) exceedances
[Violet/Bold] = Wisconsin Administrative Code NR 746.06 Table 1 (Product Indicator) exceedances
Blue/Italic = Wisconsin Administrative Code NR 746.06 Table 2 (Direct Contact) exceedances

Table 4

Summary of Detected Soil Boring Lead, DRO, GRO, and VOC Analytical Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Boring/Well Number		NR 720	NR 746.06		GP-1		GP-2	GP-3	GP-4
Sample Date		Generic	Table 1	Table 2	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
Sample Depth	Units	RCLs	(Product)	(Contact)	2'-3'	4'-6'	4'-6'	4'-5'	4'-5'
PID	ppm/v				<10	<10	<10	<10	<10
Lead	mg/kg	**50**	NES	NES	NA	**200**	36	29	**86**
DRO	mg/kg	**100**	NES	NES	NA	**110**	47	26	<5.0
GRO	mg/kg	**100**	NES	NES	NA	6.6	4.7	4.1	4.7
1,2,4-Trimethylbenzene	µg/kg	NES	**[83000]**	NES	<25	<25	<25	<25	<25
1,2-Dichloroethane	µg/kg	**4.9**	**[600]**	*540*	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	µg/kg	NES	**[11000]**	NES	<25	<25	<25	<25	<25
Benzene	µg/kg	**5.5**	**[8500]**	*1100*	<25	<25	<25	<25	<25
Ethylbenzene	µg/kg	**2900**	**[4600]**	NES	<25	<25	<25	<25	<25
Naphthalene	µg/kg	NES	**[2700]**	NES	<25	<25	<25	<25	<25
Toluene	µg/kg	**1500**	**[38000]**	NES	<25	<25	<25	<25	<25
Xylenes, total	µg/kg	**4100**	**[42000]**	NES	<75	<75	<75	<75	<75

NOTES:
DRO = diesel range organics
GRO = gasoline range organics
VOCs = Volatile Organic Compounds
PID = photoionization detector
ppm/v = parts per million per volume
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
NES = no established standard
NA = not analyzed
Red/Bold = Wisconsin Administrative Code NR 720 Generic Residual Contaminant Level (RCL) exceedances
[Violet/Bold] = Wisconsin Administrative Code NR 746.06 Table 1 (Product Indicator) exceedances
Blue/Italic = Wisconsin Administrative Code NR 746.06 Table 2 (Direct Contact) exceedances

Checked by:____ Approved by:___.

Table 5

Summary of Soil PAH Analytical Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Boring/Well Number		RR-519-97 Table 1			GP-1		GP-2	GP-3	GP-4
Sample Date		Groundwater	Direct Contact		5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
Sample Depth	Units	Pathway	Non-Ind	Industrial	2'-3'	4'-6'	4'-6'	4'-5'	4'-5'
PID	ppm/v				<10	<10	<10	<10	<10
1-Methylnaphthalene	µg/kg	*23000*	**1100000**	70000000	110	12 Q	130 Q	<8.2	<9.4
2-Methylnaphthalene	µg/kg	*20000*	**600000**	40000000	100	23 Q	100 Q	<8.2	<10
Acenaphthene	µg/kg	*38000*	**900000**	60000000	<14 &	<15 &	130 Q&	<13 &	<15 &
Acenaphthylene	µg/kg	*700*	**18000**	360000	<23 &	34 Q&	*980 &*	53 Q&	<24 &
Anthracene	µg/kg	*3000000*	**5000000**	300000000	28 Q	37 Q	1700	37 Q	72
Benzo(a)anthracene	µg/kg	*17000*	**88**	3900	77	170	2000	51	220
Benzo(a)pyrene	µg/kg	*48000*	**8.8**	390	**91**	180	2600	92	240
Benzo(b)fluoranthene	µg/kg	*360000*	**88**	3900	83	170	2000	83	180
Benzo(ghi)perylene	µg/kg	*6800000*	**1800**	39000	54	110	1700	110	130
Benzo(k)fluoranthene	µg/kg	*870000*	**880**	39000	69	200	1400	78	170
Chrysene	µg/kg	*37000*	**8800**	390000	82	180	1900	61	240
Dibenz(a,h)anthracene	µg/kg	*38000*	**8.8**	390	**17 Q**	40	490	17 Q	40
Fluoranthene	µg/kg	*500000*	**600000**	40000000	150	280	4000	76	460
Fluorene	µg/kg	*100000*	**600000**	40000000	10 Q	<8.0	770	<7.1	16 Q
Indeno(1,2,3-cd)pyrene	µg/kg	*680000*	**88**	3900	47	100	1300	44	110
Naphthalene	µg/kg	*400*	**20000**	110000	49	20 Q	63 Q	11 Q	12 Q
Phenanthrene	µg/kg	*1800*	**18000**	390000	110	99	*3400*	49	260
Pyrene	µg/kg	*8700000*	**500000**	30000000	140	270	4100	97	510

NOTES:
PAH = Polycyclic Aromatic Hydrocarbons
PID = photoionization detector
ppm/v = parts per million per volume
µg/kg = micrograms per kilogram
NA = not analyzed
Q = analyte detected between the limit of detection (LOD) and limit of quantitation (LOQ)
* = precision not within control limits
& = laboratory control spike recovery not within control limits
Blue/Italic = RR-519-97 Table 1 (suggested groundwater pathway RCL) exceedances
Red/Bold = RR-519-97 Table 1 (suggested non-industrial direct contact pathway RCL) exceedances
Green/Underline = RR-519-97 Table 1 (suggested non-industrial direct contact pathway RCL) exceedances

Checked by:_____ Approved by:___.

Table 6

Summary of Detected Groundwater Lead, DRO, GRO, and VOC Analytical Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		NR 140.10 Table 1		MW-1				MW-2			
Sample Date	Units	PAL	ES	2/19/2004	9/22/2004	5/5/2005	8/5/2005	2/19/2004	9/22/2004	5/5/2005	8/5/2005
Soluble Lead	µg/l	*1.5*	**15**	0.20	NA	NA	NA	< 0.096	NA	NA	NA
DRO	µg/l	NES	NES	< 100	NA	NA	NA	< 100	NA	NA	NA
GRO	µg/l	NES	NES	< 50	NA	NA	NA	< 50	NA	NA	NA
1,2,4-Trimethylbenzene	µg/l	*96**	**480***	< 0.97	< 0.39	< 0.39	< 0.39	< 0.97	< 0.39	< 0.39	< 0.39
1,3,5-Trimethylbenzene	µg/l	*96**	**480***	< 0.83	< 0.40	< 0.40	< 0.40	< 0.83	< 0.40	< 0.40	< 0.40
Benzene	µg/l	*0.5*	**5**	< 0.41	< 0.14	< 0.14	< 0.14	< 0.41	< 0.14	0.15	0.22 Q
Ethylbenzene	µg/l	*140*	**700**	< 0.54	< 0.40	< 0.40	< 0.40	< 0.54	< 0.40	< 0.40	< 0.40
Methyl-tert-butyl-ether (MTBE	µg/l	*12*	**60**	< 0.61	< 0.36	< 0.36	< 0.36	< 0.61	< 0.36	< 0.36	< 0.36
Naphthalene	µg/l	*8*	**40**	< 0.74	NA	NA	NA	< 0.74	NA	NA	NA
n-Propylbenzene	µg/l	NES	NES	< 0.81	NA	NA	NA	< 0.81	NA	NA	NA
Toluene	µg/l	*200*	**1000**	< 0.67	< 0.36	< 0.36	< 0.36	< 0.67	< 0.36	< 0.36	< 0.36
Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.18	NA	NA	NA	**0.55 Q**	NA	NA	NA
Xylene, o	µg/l	*1000***	**10000****	< 0.83	< 0.36	< 0.36	< 0.36	< 0.83	< 0.36	< 0.36	< 0.36
Xylenes, m + p	µg/l	*1000***	**10000****	< 1.80	< 0.74	< 0.74	< 0.74	< 1.80	< 0.74	< 0.74	< 0.74

NOTES:
DRO = diesel range organics
GRO = gasoline range organics
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
[D] = duplicate sample, labeled MW-30 on laboratory reports
D = analyte value from diluted analysis or surrogate result not applicable due to sample dilution
Q = analyte detected between the limit of detection (LOD) and limit of quantitation (LOQ)
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances
Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances
* = NR 140 ES and PAL standards apply to total Trimethylbenzene concentration
** = NR 140 ES and PAL standards apply to total Xylene concentration

Table 6

Summary of Detected Groundwater VOC Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		NR 140.10 Table 1		MW-3							
Sample Date	Units	PAL	ES	2/19/2004	2/19/2004 [D]	9/22/2004	9/22/2004 [D]	5/5/2005	5/5/2005 [D]	8/5/2005	8/5/2005 [D]
Soluble Lead	µg/l	*1.5*	**15**	< 0.096	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	µg/l	NES	NES	580	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	µg/l	NES	NES	1200	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/l	*96**	**480***	*81*	*78*	7.9	8.4	13	10	17	17
1,3,5-Trimethylbenzene	µg/l	*96**	**480***	*22*	*21*	1.8	1.9	1.4	1.2 Q	2.4	2.5
Benzene	µg/l	*0.5*	**5**	**68**	**65**	**26**	**26**	**85**	**76**	**52**	**53**
Ethylbenzene	µg/l	*140*	**700**	41	42	9.3	9.7	27	24	20	20
Methyl-tert-butyl-ether (MTBE	µg/l	*12*	**60**	< 0.61	< 0.61	< 0.36	< 0.36	0.91 Q	0.79 Q	0.49 Q	0.49 Q
Naphthalene	µg/l	*8*	**40**	*25*	*22*	NA	NA	NA	NA	NA	NA
n-Propylbenzene	µg/l	NES	NES	11	10	NA	NA	NA	NA	NA	NA
Toluene	µg/l	*200*	**1000**	37	39	2.6	2.9	2.7	2.3	6.2	6.2
Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA
Xylene, o	µg/l	*1000***	**10000***	39	39	5	5	2.2	2.0	6.1	6.1
Xylenes, m + p	µg/l	*1000***	**10000***	94	95	13	14	14	12	22	22

NOTES:
DRO = diesel range organics
GRO = gasoline range organics
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
[D] = duplicate sample, labeled MW-30 on laboratory reports
D = analyte value from diluted analysis or surrogate result not applicable due to sample dilution
Q = analyte detected between the limit of detection (LOQ) and limit of quantitation (LOQ)
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances
Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances
* = NR 140 ES and PAL standards apply to total Trimethylbenzene concentration
** = NR 140 ES and PAL standards apply to total Xylene concentration

Table 7

Summary of Groundwater PAH Analytical Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		NR 140.10 Table 1		MW-1			
Sample Date	Units	PAL	ES	2/19/2004	9/22/2004	5/5/2005	8/5/2005
1-Methylnaphthalene	µg/l	NES	NES	< 0.018 *	< 0.020	< 0.020	< 0.010
2-Methylnaphthalene	µg/l	NES	NES	0.021 Q*	< 0.023	< 0.023	< 0.011
Acenaphthene	µg/l	NES	NES	< 0.018 *	< 0.019	< 0.019	0.012 Q
Acenaphthylene	µg/l	NES	NES	0.021 Q	< 0.019	< 0.019	0.0088 Q
Anthracene	µg/l	*600*	**3000**	0.035 Q	< 0.018	< 0.018	0.012 Q
Benzo(a)anthracene	µg/l	NES	NES	0.12	< 0.020	0.034 Q	0.036 Q
Benzo(a)pyrene	µg/l	*0.02*	**0.2**	*0.11*	< 0.018	*0.029 Q*	*0.032 Q*
Benzo(b)fluoranthene	µg/l	*0.02*	**0.2**	*0.09*	< 0.018	*0.027 Q*	*0.027 QZ*
Benzo(ghi)perylene	µg/l	NES	NES	0.069	< 0.021 &	< 0.021	0.028 Q
Benzo(k)fluoranthene	µg/l	NES	NES	0.086	< 0.019 &	0.027 Q	0.027 QZ
Chrysene	µg/l	*0.02*	**0.2**	*0.10*	< 0.016	*0.029 Q*	*0.027 Q*
Dibenz(a,h)anthracene	µg/l	NES	NES	0.022 Q	< 0.022	< 0.022	< 0.019
Fluoranthene	µg/l	*80*	**400**	0.20	0.024 Q	0.062	0.056
Fluorene	µg/l	*80*	**400**	< 0.017	< 0.022	< 0.022	< 0.0091
Indeno(1,2,3-cd)pyrene	µg/l	NES	NES	0.058 Q	< 0.017	< 0.017	0.020 Q
Naphthalene	µg/l	*8*	**40**	0.038 Q&*	0.036 Q	< 0.022	< 0.047
Phenanthrene	µg/l	NES	NES	0.084	< 0.020	0.027 Q	0.034 Q
Pyrene	µg/l	*50*	**250**	0.18	0.023 Q	0.055	0.050

NOTES:
PAH = Polycyclic Aromatic Hydrocarbons
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
D = analyte value from diluted analysis result not applicable due to sample dilution
Q = analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)
Z = compound was separated, but did not meet SW846 resolution criteria
* = precision not within control limits
& = laboratory control spike recovery not within control limits
+ = 9/22/2004 MW-3 sample lost, re-sampled on 10/11/2004
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances
Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances

Approved by:___ Checked by:___.

Table 7

Summary of Groundwater PAH Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		NR 140.10 Table 1		MW-2			
Sample Date	Units	PAL	ES	2/19/2004	9/22/2004	5/5/2005	8/5/2005
1-Methylnaphthalene	µg/l	NES	NES	< 0.018 *	< 0.020	< 0.020	< 0.083
2-Methylnaphthalene	µg/l	NES	NES	< 0.017 *	< 0.023	< 0.023	< 0.091
Acenaphthene	µg/l	NES	NES	< 0.018 *	< 0.020	< 0.019	0.069 Q
Acenaphthylene	µg/l	NES	NES	0.044 Q	< 0.020	0.060 Q	0.53
Anthracene	µg/l	*600*	**3000**	0.036 Q	< 0.018	0.043 Q	0.36
Benzo(a)anthracene	µg/l	NES	NES	0.16	0.026 Q	0.19	1.3
Benzo(a)pyrene	µg/l	*0.02*	**0.2**	*0.16*	*0.028 Q*	**0.21**	**1.5**
Benzo(b)fluoranthene	µg/l	*0.02*	**0.2**	*0.14*	*0.023 Q*	*0.19*	**1.3 Z**
Benzo(ghi)perylene	µg/l	NES	NES	0.11	< 0.021 &	0.16	1.2
Benzo(k)fluoranthene	µg/l	NES	NES	0.12	0.020 Q&	0.17	1.2 Z
Chrysene	µg/l	*0.02*	**0.2**	*0.15*	*0.027 Q*	*0.19*	**1.2**
Dibenz(a,h)anthracene	µg/l	NES	NES	0.034 Q	< 0.022	0.042 Q	0.36 Q
Fluoranthene	µg/l	*80*	**400**	0.24	0.071	0.34	2.1
Fluorene	µg/l	*80*	**400**	< 0.017	< 0.022	< 0.022	< 0.074
Indeno(1,2,3-cd)pyrene	µg/l	NES	NES	0.088	< 0.017	0.13	1.0
Naphthalene	µg/l	*8*	**40**	< 0.024 &*	< 0.023	< 0.022	< 0.38
Phenanthrene	µg/l	NES	NES	0.055	< 0.021	0.094	0.63
Pyrene	µg/l	*50*	**250**	0.21	0.061	0.31	1.9

NOTES:
PAH = Polycyclic Aromatic Hydrocarbons
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
D = analyte value from diluted analysis result not applicable due to sample dilution
Q = analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)
Z = compound was separated, but did not meet SW846 resolution criteria
* = precision not within control limits
& = laboratory control spike recovery not within control limits
+ = 9/22/2004 MW-3 sample lost, re-sampled on 10/11/2004
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances
Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances

Approved by:___ Checked by:___.

Table 7

Summary of Groundwater PAH Results
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		NR 140.10 Table 1		MW-3			
Sample Date	Units	PAL	ES	2/19/2004	10/11/2004+	5/5/2005	8/5/2005
1-Methylnaphthalene	µg/l	NES	NES	7.1 *	9.9 D	7.9 D	8.8 D
2-Methylnaphthalene	µg/l	NES	NES	10 *	1.3 QD	1.3 QD	3.5 D
Acenaphthene	µg/l	NES	NES	< 0.36 *	0.37	0.38	0.42
Acenaphthylene	µg/l	NES	NES	< 0.38	0.14	0.11	0.16
Anthracene	µg/l	*600*	**3000**	< 0.40	0.099	0.050 Q	0.075
Benzo(a)anthracene	µg/l	NES	NES	< 0.24	0.064 Q	< 0.020	0.065
Benzo(a)pyrene	µg/l	*0.02*	**0.2**	**< 0.28**	*0.052 Q*	< 0.018	*0.048 Q*
Benzo(b)fluoranthene	µg/l	*0.02*	**0.2**	**< 0.26**	*0.045 Q*	< 0.018	*0.044 QZ*
Benzo(ghi)perylene	µg/l	NES	NES	< 0.32	0.046 Q	< 0.021	0.037 Q
Benzo(k)fluoranthene	µg/l	NES	NES	< 0.38	0.036 Q	< 0.019	0.039 QZ
Chrysene	µg/l	*0.02*	**0.2**	**< 0.28**	*0.059*	*0.020 Q*	0.065
Dibenz(a,h)anthracene	µg/l	NES	NES	< 0.32	< 0.022	< 0.022	< 0.019
Fluoranthene	µg/l	*80*	**400**	< 0.26	0.24	0.098	0.20
Fluorene	µg/l	*80*	**400**	< 0.34	0.43	0.42	0.55 QD
Indeno(1,2,3-cd)pyrene	µg/l	NES	NES	< 0.42	0.032 Q	< 0.017	0.025 Q
Naphthalene	µg/l	*8*	**40**	5.1 &*	3.8 D	1.8 QD	3.4 QD
Phenanthrene	µg/l	NES	NES	0.33 Q	< 0.51 D	0.41	0.67 QD
Pyrene	µg/l	*50*	**250**	< 0.34	0.19	0.082	0.17

NOTES:
PAH = Polycyclic Aromatic Hydrocarbons
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
D = analyte value from diluted analysis result not applicable due to sample dilution
Q = analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)
Z = compound was separated, but did not meet SW846 resolution criteria
* = precision not within control limits
& = laboratory control spike recovery not within control limits
+ = 9/22/2004 MW-3 sample lost, re-sampled on 10/11/2004
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances
Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances

Approved by:___ Checked by:___.

Table 8

Summary of Groundwater Natural Attenuation Parameters
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Well Number		MW-1	MW-2	MW-3
Measurement Date		8/5/2005	8/5/2005	8/5/2005
Temperature	deg. C	13.93	20.34	18.24
pH		6.06	6.45	6.49
Disolved Oxygen	mg/l	0.50	0.36	0.22
Specific Conductivity	µs/cm	2548	1681	3110
ORP	mV	-108.0	-158.8	-173.3

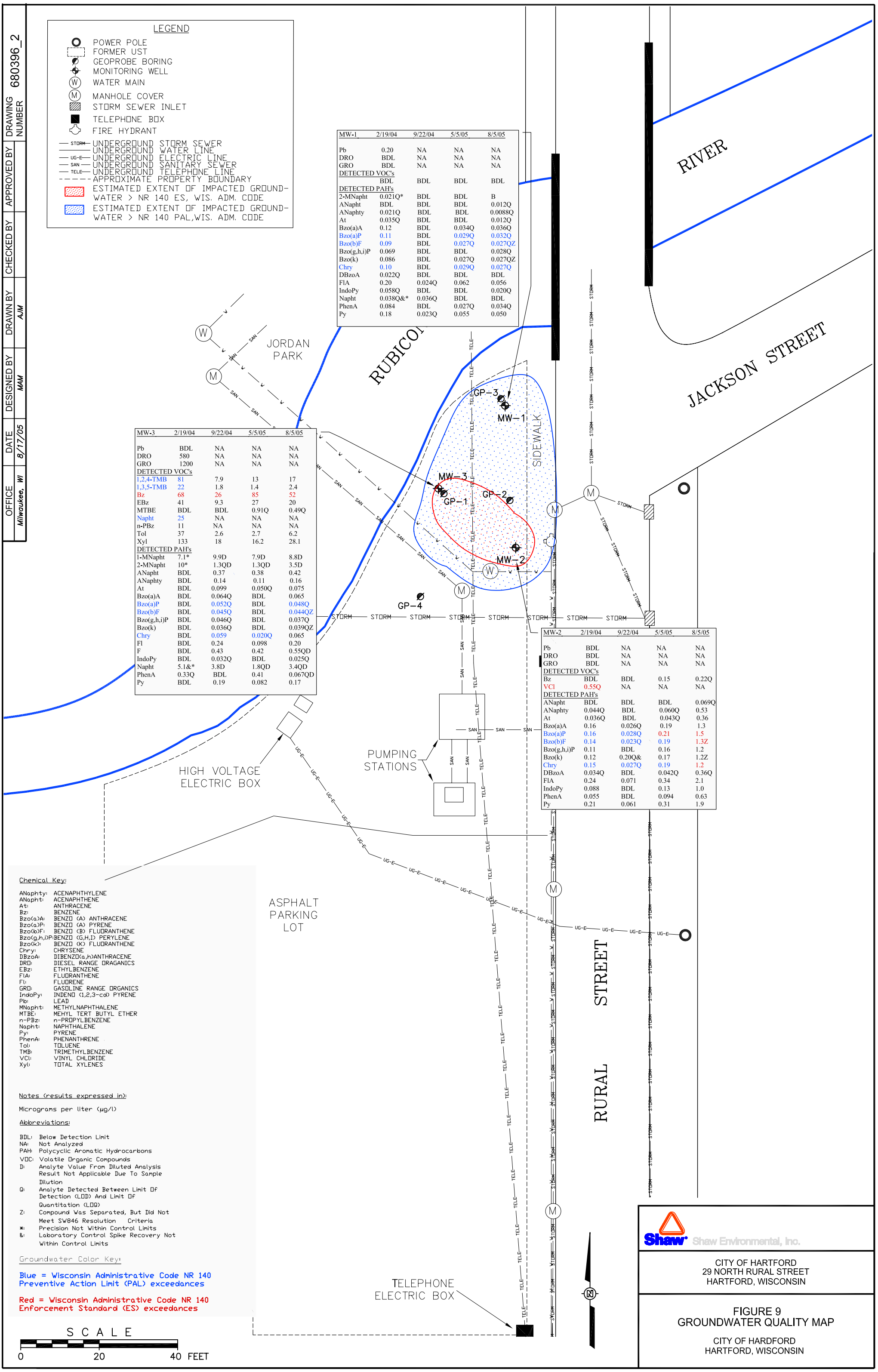
NOTES
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
mV = milli-volts
ORP = oxidation-reduction potential

Approved by:___ Checked by:___.

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2

LEGEND

- POWER POLE
- FORMER UST
- GEOPROBE BORING
- MONITORING WELL
- WATER MAIN
- MANHOLE COVER
- STORM SEWER INLET
- TELEPHONE BOX
- FIRE HYDRANT
- STORM — UNDERGROUND STORM SEWER
- UNDERGROUND WATER LINE
- UG-E — UNDERGROUND ELECTRIC LINE
- SAN — UNDERGROUND SANITARY SEWER
- TELE — UNDERGROUND TELEPHONE LINE
- APPROXIMATE PROPERTY BOUNDARY
- ESTIMATED EXTENT OF IMPACTED GROUND-WATER > NR 140 ES, WIS. ADM. CODE
- ESTIMATED EXTENT OF IMPACTED GROUND-WATER > NR 140 PAL,WIS. ADM. CODE



MW-1	2/19/04	9/22/04	5/5/05	8/5/05
Pb	0.20	NA	NA	NA
DRO	BDL	NA	NA	NA
GRO	BDL	NA	NA	NA
DETECTED VOC's				
	BDL	BDL	BDL	BDL
DETECTED PAH's				
2-MNapht	0.021Q*	BDL	BDL	B
ANapht	BDL	BDL	BDL	0.012Q
ANaphty	0.021Q	BDL	BDL	0.0088Q
At	0.035Q	BDL	BDL	0.012Q
Bzo(a)A	0.12	BDL	0.034Q	0.036Q
Bzo(a)P	0.11	BDL	0.029Q	0.032Q
Bzo(b)F	0.09	BDL	0.027Q	0.027QZ
Bzo(g,h,i)P	0.069	BDL	BDL	0.028Q
Bzo(k)	0.086	BDL	0.027Q	0.027QZ
Chry	0.10	BDL	0.029Q	0.027Q
DBzoA	0.022Q	BDL	BDL	BDL
FlA	0.20	0.024Q	0.062	0.056
IndoPy	0.058Q	BDL	BDL	0.020Q
Napht	0.038Q&*	0.036Q	BDL	BDL
PhenA	0.084	BDL	0.027Q	0.034Q
Py	0.18	0.023Q	0.055	0.050

MW-3	2/19/04	9/22/04	5/5/05	8/5/05
Pb	BDL	NA	NA	NA
DRO	580	NA	NA	NA
GRO	1200	NA	NA	NA
DETECTED VOC's				
1,2,4-TMB	81	7.9	13	17
1,3,5-TMB	22	1.8	1.4	2.4
Bz	68	26	85	52
EBz	41	9.3	27	20
MTBE	BDL	BDL	0.91Q	0.49Q
Napht	25	NA	NA	NA
n-PBz	11	NA	NA	NA
Tol	37	2.6	2.7	6.2
Xyl	133	18	16.2	28.1
DETECTED PAH's				
1-MNapht	7.1*	9.9D	7.9D	8.8D
2-MNapht	10*	1.3QD	1.3QD	3.5D
ANapht	BDL	0.37	0.38	0.42
ANaphty	BDL	0.14	0.11	0.16
At	BDL	0.099	0.050Q	0.075
Bzo(a)A	BDL	0.064Q	BDL	0.065
Bzo(a)P	BDL	0.052Q	BDL	0.048Q
Bzo(b)F	BDL	0.045Q	BDL	0.044QZ
Bzo(g,h,i)P	BDL	0.046Q	BDL	0.037Q
Bzo(k)	BDL	0.036Q	BDL	0.039QZ
Chry	BDL	0.059	0.020Q	0.065
Fl	BDL	0.24	0.098	0.20
F	BDL	0.43	0.42	0.55QD
IndoPy	BDL	0.032Q	BDL	0.025Q
Napht	5.1&*	3.8D	1.8QD	3.4QD
PhenA	0.33Q	BDL	0.41	0.067QD
Py	BDL	0.19	0.082	0.17

MW-2	2/19/04	9/22/04	5/5/05	8/5/05
Pb	BDL	NA	NA	NA
DRO	BDL	NA	NA	NA
GRO	BDL	NA	NA	NA
DETECTED VOC's				
Bz	BDL	BDL	0.15	0.22Q
VCl	0.55Q	NA	NA	NA
DETECTED PAH's				
ANapht	BDL	BDL	BDL	0.069Q
ANaphty	0.044Q	BDL	0.060Q	0.53
At	0.036Q	BDL	0.043Q	0.36
Bzo(a)A	0.16	0.026Q	0.19	1.3
Bzo(a)P	0.16	0.028Q	0.21	1.5
Bzo(b)F	0.14	0.023Q	0.19	1.3Z
Bzo(g,h,i)P	0.11	BDL	0.16	1.2
Bzo(k)	0.12	0.20Q&	0.17	1.2Z
Chry	0.15	0.027Q	0.19	1.2
DBzoA	0.034Q	BDL	0.042Q	0.36Q
FlA	0.24	0.071	0.34	2.1
IndoPy	0.088	BDL	0.13	1.0
PhenA	0.055	BDL	0.094	0.63
Py	0.21	0.061	0.31	1.9

Chemical Key:

ANaphty:	ACENAPHTHYLENE
ANapht:	ACENAPHTHENE
At:	ANTHRACENE
Bz:	BENZENE
Bzo(a)A:	BENZO (A) ANTHRACENE
Bzo(a)P:	BENZO (A) PYRENE
Bzo(b)F:	BENZO (B) FLUORANTHENE
Bzo(g,h,i)P:	BENZO (G,H,I) PERYLENE
Bzo(k):	BENZO (K) FLUORANTHENE
Chry:	CHRYSENE
DBzoA:	DIBENZO(a,h)ANTHRACENE
DRO:	DIESEL RANGE ORGANICS
EBz:	ETHYLBENZENE
FlA:	FLUORANTHENE
Fl:	FLUORENE
GRO:	GASOLINE RANGE ORGANICS
IndoPy:	INDENO (1,2,3-cd) PYRENE
Pb:	LEAD
MNapht:	METHYLNAPHTHALENE
MTBE:	MEHYL TERT BUTYL ETHER
n-PBz:	n-PROPYLBENZENE
Napht:	NAPHTHALENE
Py:	PYRENE
PhenA:	PHENANTHRENE
Tol:	TOLUENE
TMB:	TRIMETHYLBENZENE
VCl:	VINYL CHLORIDE
Xyl:	TOTAL XYLENES

Notes (results expressed in):

Micrograms per liter (µg/l)

Abbreviations:

BDL:	Below Detection Limit
NA:	Not Analyzed
PAH:	Polycyclic Aromatic Hydrocarbons
VOC:	Volatile Organic Compounds
D:	Analyte Value From Diluted Analysis Result Not Applicable Due To Sample Dilution
Q:	Analyte Detected Between Limit Of Detection (LOD) And Limit Of Quantitation (LOQ)
Z:	Compound Was Separated, But Did Not Meet SW846 Resolution Criteria
*:	Precision Not Within Control Limits
&:	Laboratory Control Spike Recovery Not Within Control Limits

Groundwater Color Key:

Blue = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedances

Red = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedances

SCALE

0 20 40 FEET

Shaw Environmental, Inc.

CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 9
GROUNDWATER QUALITY MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2

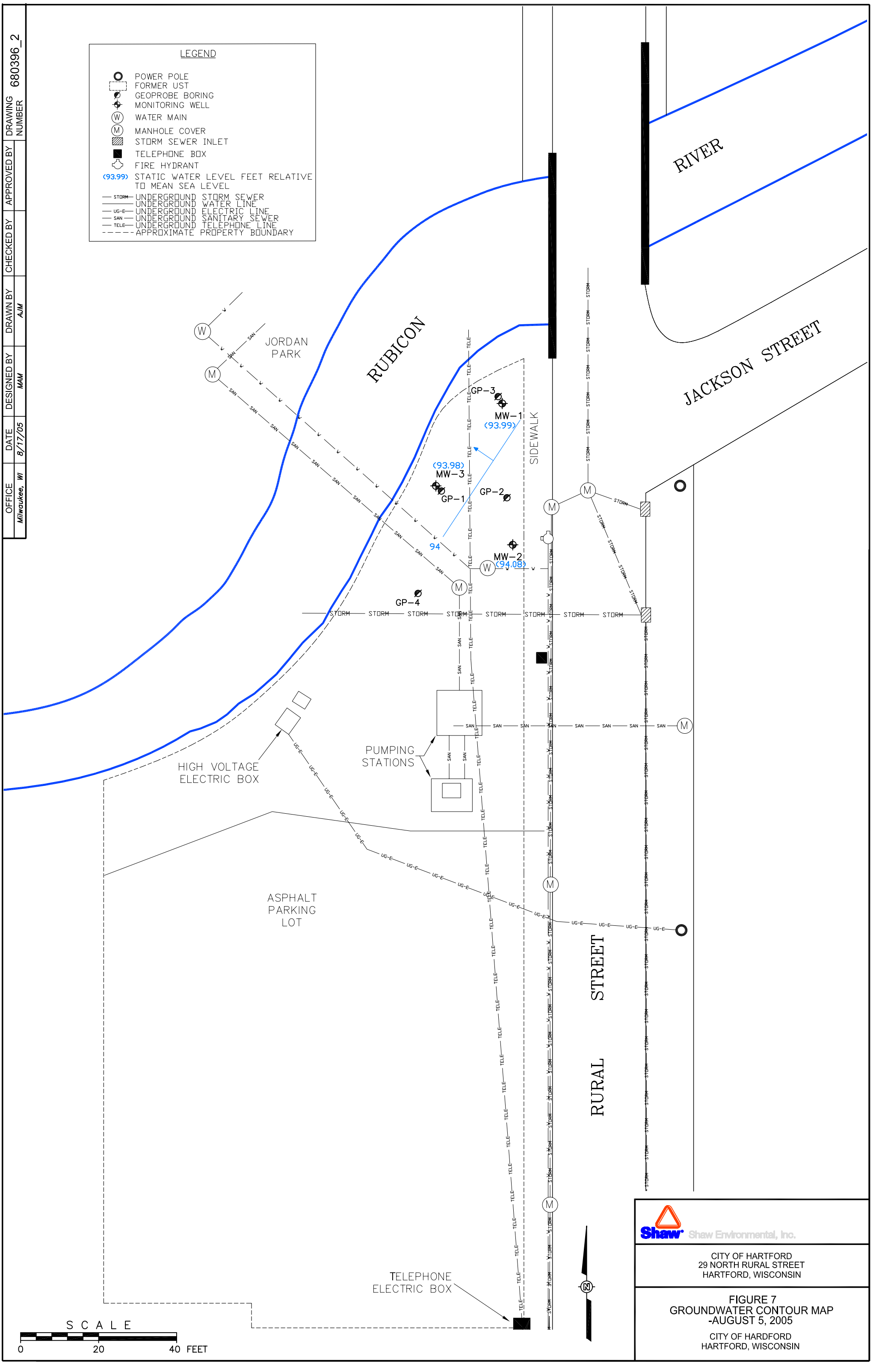


Table 3

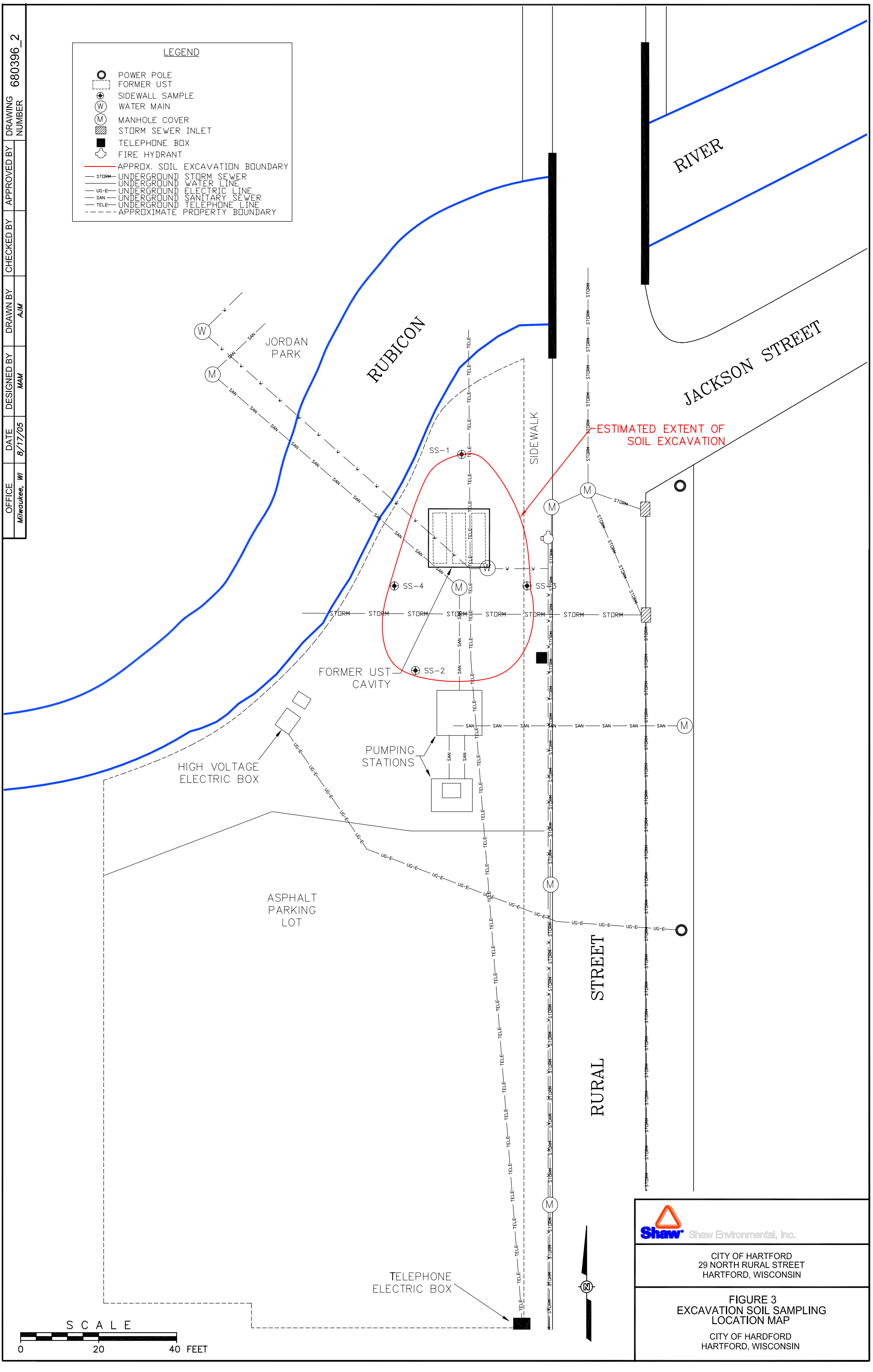
Summary of Groundwater Elevations
City of Hartford
29 North Rural Street
Hartford, Wisconsin

Period: From 11/20/2003 thru 8/5/2005

Well Number	Measurement Date	Top of Casing Elevation (ft bm)	Screen Interval Top (ft bm)	Screen Interval Bottom (ft bm)	Depth to Water (ft btoc)	Water Elevation (ft bm)	Change in Water Elevation (ft)
MW-1	11/20/2003	100.00	97.00	87.10	5.36	94.64	
	2/19/2004	100.00	97.00	87.10	5.52	94.48	-0.16
	9/22/2004	100.00	97.00	87.10	6.04	93.96	-0.52
	5/5/2005	100.00	97.00	87.11	5.85	94.15	0.19
	8/5/2005	100.00	97.00	87.14	6.01	93.99	-0.16
MW-2	11/20/2003	100.00	97.00	87.35	5.41	94.59	
	2/19/2004	100.00	97.00	87.48	5.02	94.98	0.39
	9/22/2004	100.00	97.00	87.49	5.95	94.05	-0.93
	5/5/2005	100.00	97.00	87.49	5.79	94.21	0.16
	8/5/2005	100.00	97.00	87.49	5.92	94.08	-0.13
MW-3	11/20/2003	98.94	95.94	86.43	4.31	94.63	
	2/19/2004	98.94	95.94	86.43	4.50	94.44	-0.19
	9/22/2004	98.94	95.94	86.43	4.94	94.00	-0.44
	10/11/2004	98.94	95.94	86.42	3.95	94.99	0.99
	5/5/2005	98.94	95.94	86.43	4.80	94.14	-0.85
	8/5/2005	98.94	95.94	86.44	4.96	93.98	-0.16

NOTES
ft bm = feet relative to benchmark
ft btoc = feet below top of casing

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



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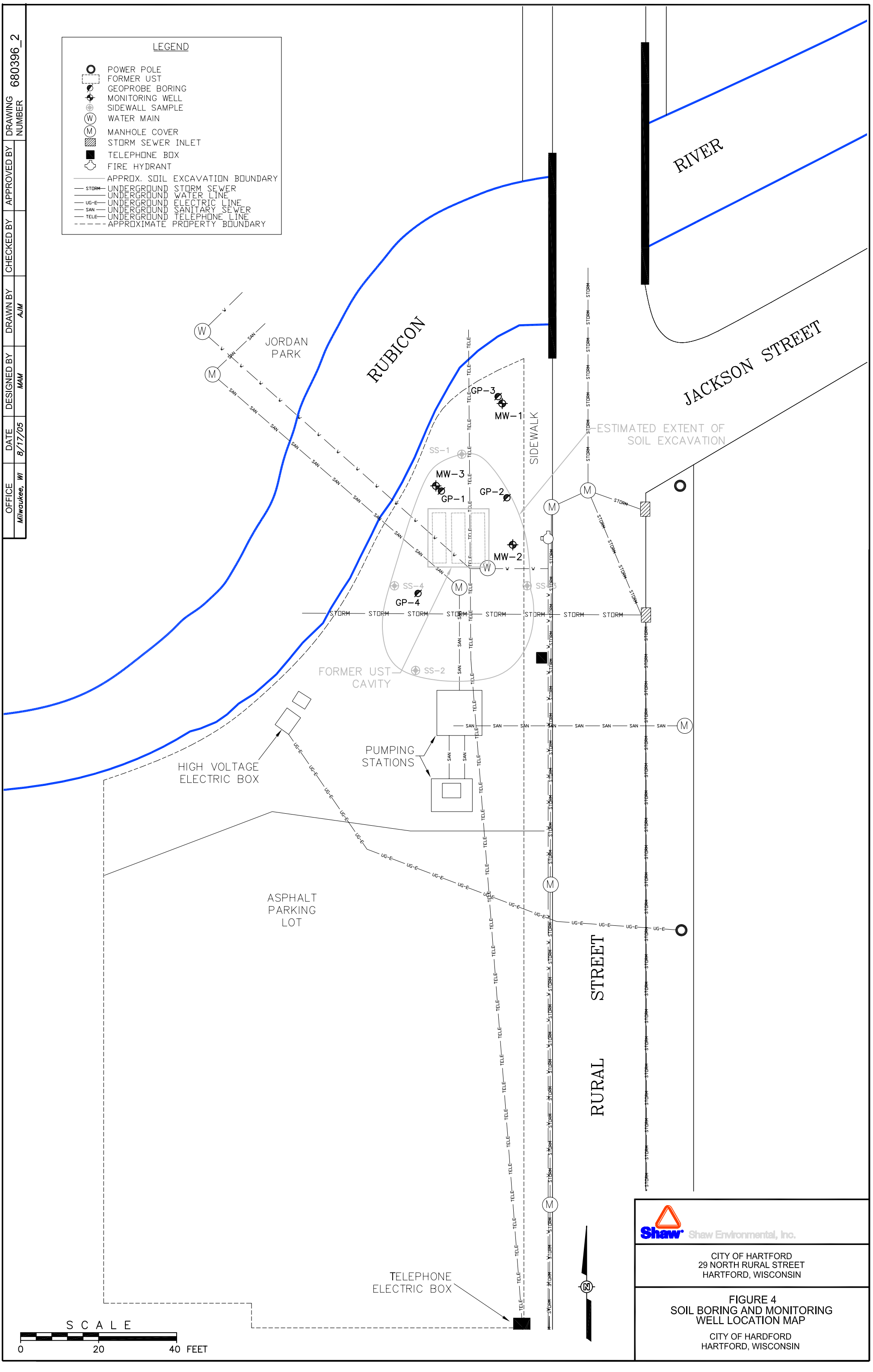
CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 3
EXCAVATION SOIL SAMPLING LOCATION MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



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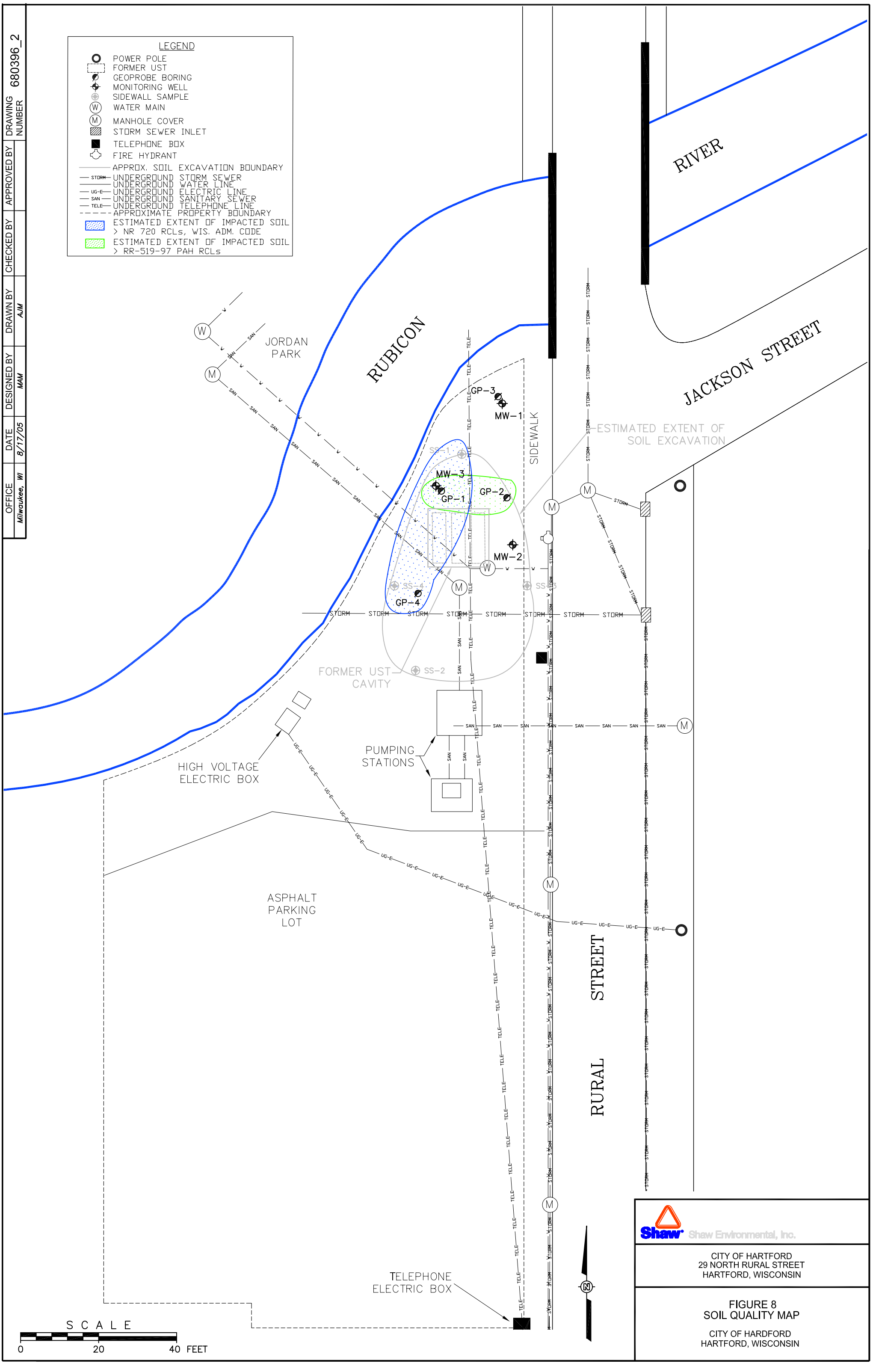
CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 4
SOIL BORING AND MONITORING WELL LOCATION MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



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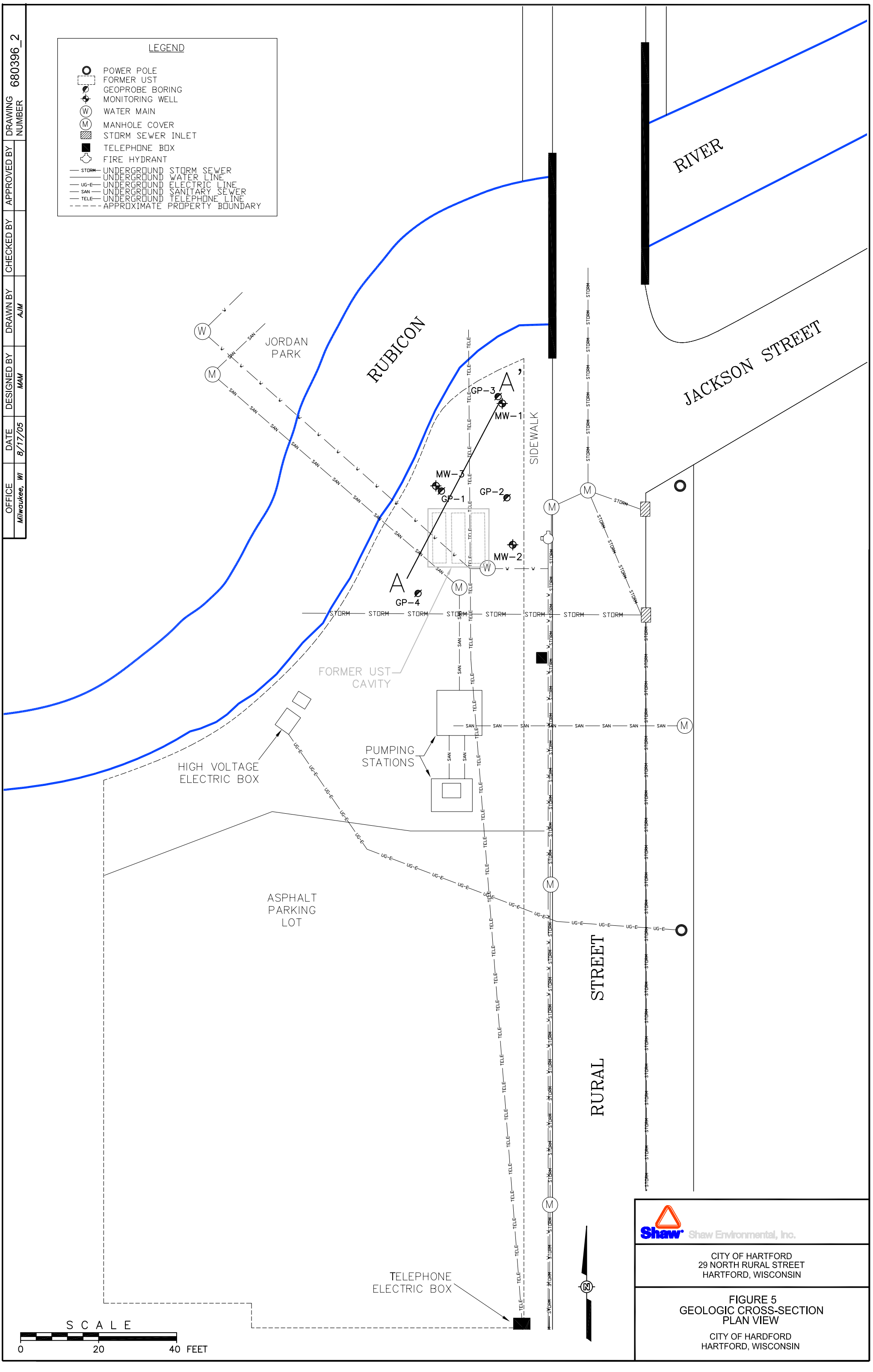
CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 8
SOIL QUALITY MAP

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/17/05	MAM	AJM			680396_2



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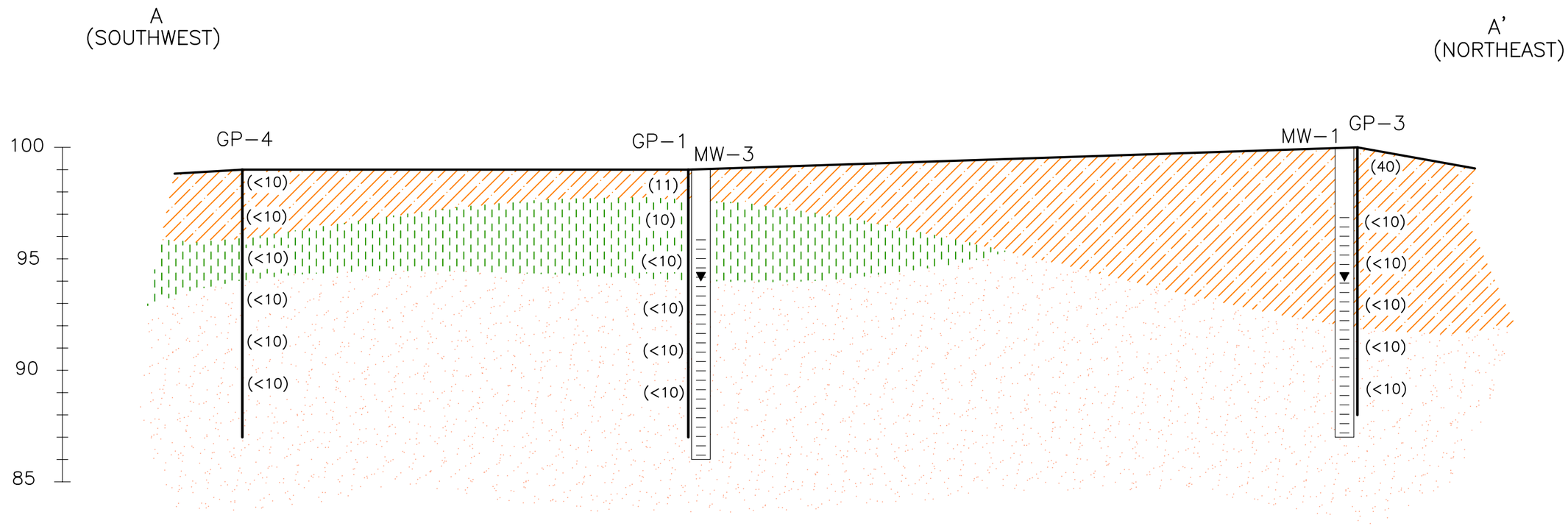
CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 5
GEOLOGIC CROSS-SECTION
PLAN VIEW

CITY OF HARDFORD
HARTFORD, WISCONSIN

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Milwaukee, WI	8/26/05	MAM	AJM			680396_2



WELL SCREEN INTERVAL

STATIC WATER LEVEL: AUGUST 5, 2005

(<10) PID READING, ppm/v

FILL–SAND

FILL–CLAYEY SILT OR SILTY CLAY

SAND

NOTES:
ELEVATIONS ARE RELATIVE TO ON–SITE BENCHMARK.
GROUNDWATER MONITORING WELLS MW–1 AND MW–3 WERE BLIND DRILLED.

SCALE
0 5 10 FEET

Shaw Environmental, Inc.

CITY OF HARTFORD
29 NORTH RURAL STREET
HARTFORD, WISCONSIN

FIGURE 6
GEOLOGIC CROSS-SECTION A-A'

CITY OF HARTFORD
HARTFORD, WISCONSIN

CERTIFICATION

I, William G. Ripp, City Engineer for the City of Hartford, Responsible Party or Agent for the petroleum underground storage tank clean-up at the City of Hartford site located at 29 North Rural Street in Hartford, Wisconsin (BRRTS No. 03-67-354491), do hereby certify that to the best of my knowledge the legal descriptions of the property included are complete and accurate.

William G. Ripp, City Engineer
CITY OF HARTFORD

Date 10/5/05

Engineering/Certification